



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

BIBDATASHEET

CONFIRMATION NO. 7213

Bib Data Sheet

| | | | | |
|-----------------------------|---------------------------------------|--------------|------------------------|--|
| SERIAL NUMBER 10/629,402 | FILING DATE 07/28/2003 RULE | CLASS 318 | GROUP ART UNIT 2837 | ATTORNEY DOCKET NO. PANA-01066US2 SRM/TAW |
|-----------------------------|---------------------------------------|--------------|------------------------|--|

APPLICANTS

Brian K. Tanner, San Jose, CA; /

** CONTINUING DATA *****
 This appln claims benefit of 60/436,750 12/27/2002
Verified - pm

** FOREIGN APPLICATIONS *****
None - pm

IF REQUIRED, FOREIGN FILING LICENSE GRANTED
 ** 10/23/2003

| | | | | |
|---|--|------------------------|-----------------------|----------------------------|
| Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | STATE OR COUNTRY CA | SHEETS DRAWING 2 | TOTAL CLAIMS 35 | INDEPENDENT CLAIMS 8 |
| 35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance | Verified and Acknowledged <i>Patricia M. ... pm</i> Examiner's Signature Initials | | | |

ADDRESS
 23910
 FLIESLER MEYER, LLP
 FOUR EMBARCADERO CENTER,
 SUITE 400
 SAN FRANCISCO , CA
 94111

TITLE
 /
 Apparatus for spindle bearing friction estimation for reliable disk drive startup

| | | |
|------------------|---|---|
| FILING FEE | FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following: | <input type="checkbox"/> All Fees |
| RECEIVED 1440 | | <input type="checkbox"/> 1.16 Fees (Filing) |
| | | <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) |
| | | <input type="checkbox"/> 1.18 Fees (Issue) |